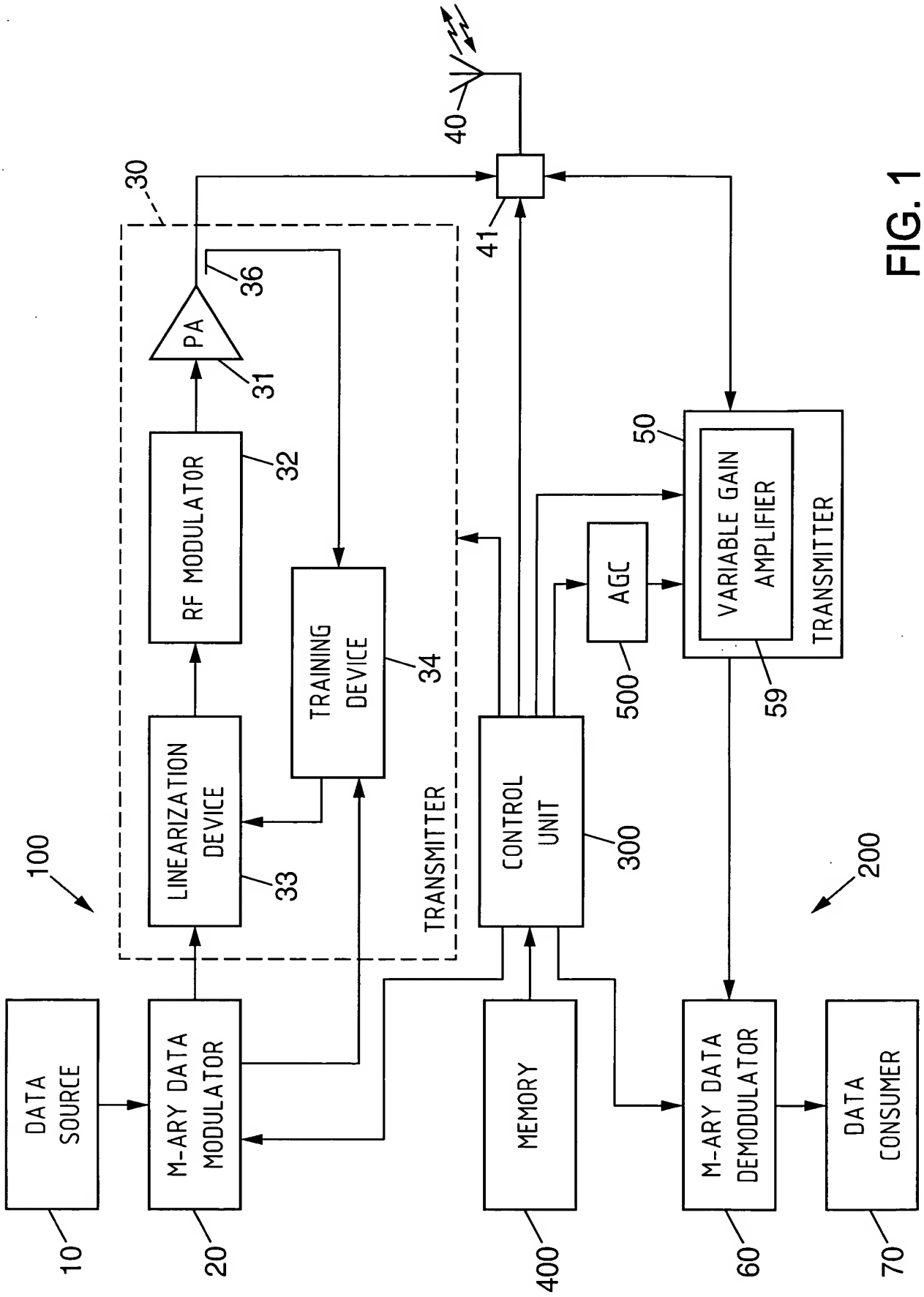
100
200
DATA SOURCE
10
M-ARY DATA MODULATOR
20
LINEARIZATION DEVICE
33
RF MODULATOR
32
PA
31
36
30
TRANSMITTER
TRAINING DEVICE
34
40
41
CONTROL UNIT
300
MEMORY
400
AGC
500
VARIABLE GAIN AMPLIFIER
50
59
TRANSMITTER
M-ARY DATA DEMODULATOR
60
DATA CONSUMER
70

FIG. 1

Bits in ([MSB LSB])		Symbol out
[0 0]	→	+ 1
[0 1]	→	- 1
[1 0]	→	+ 3
[1 1]	→	- 3

FIG. 2

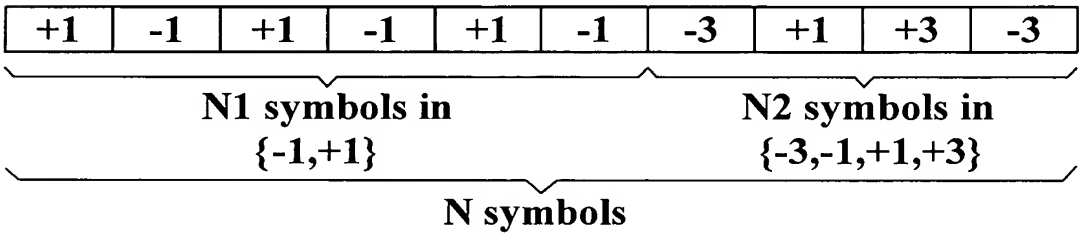

FIG. 5

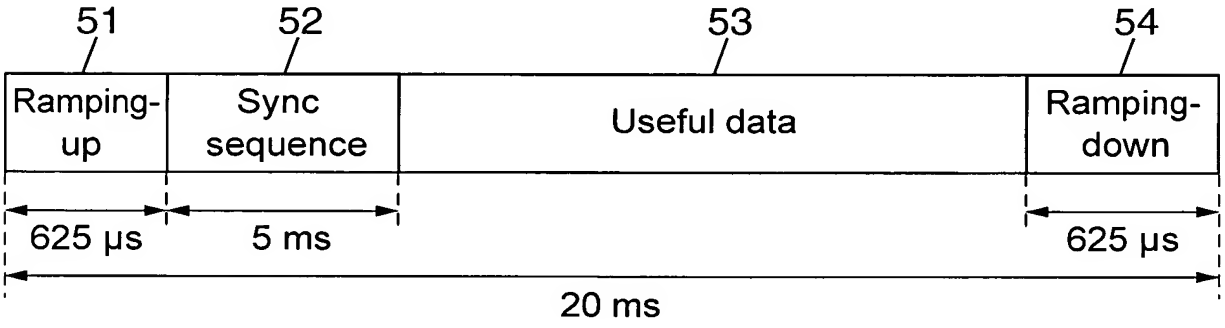

FIG. 6

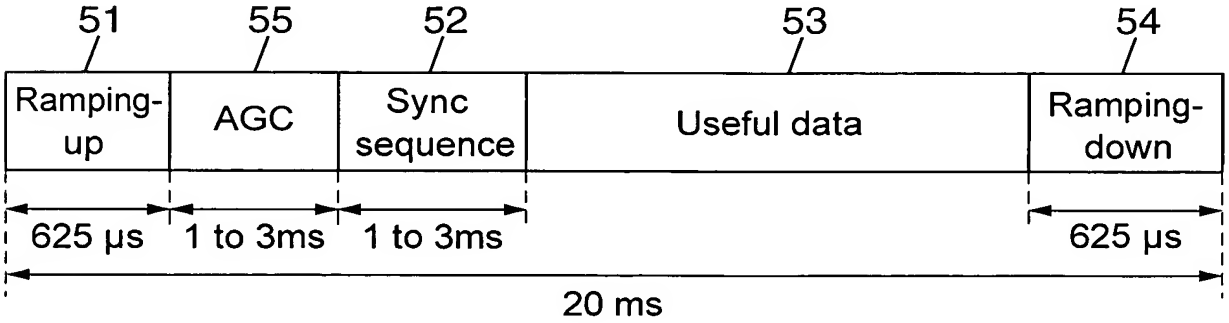

FIG. 7

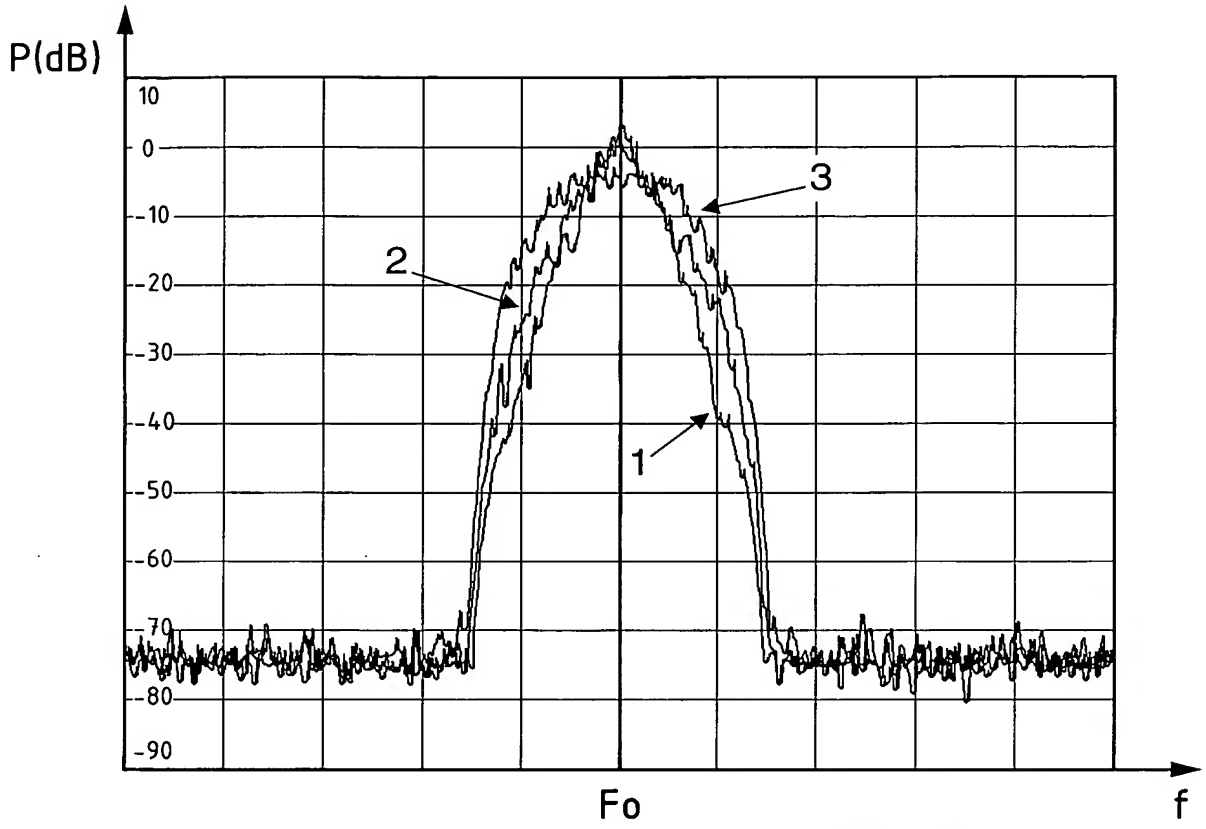
P(dB)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
1
2
3
Fo
f

FIG. 3

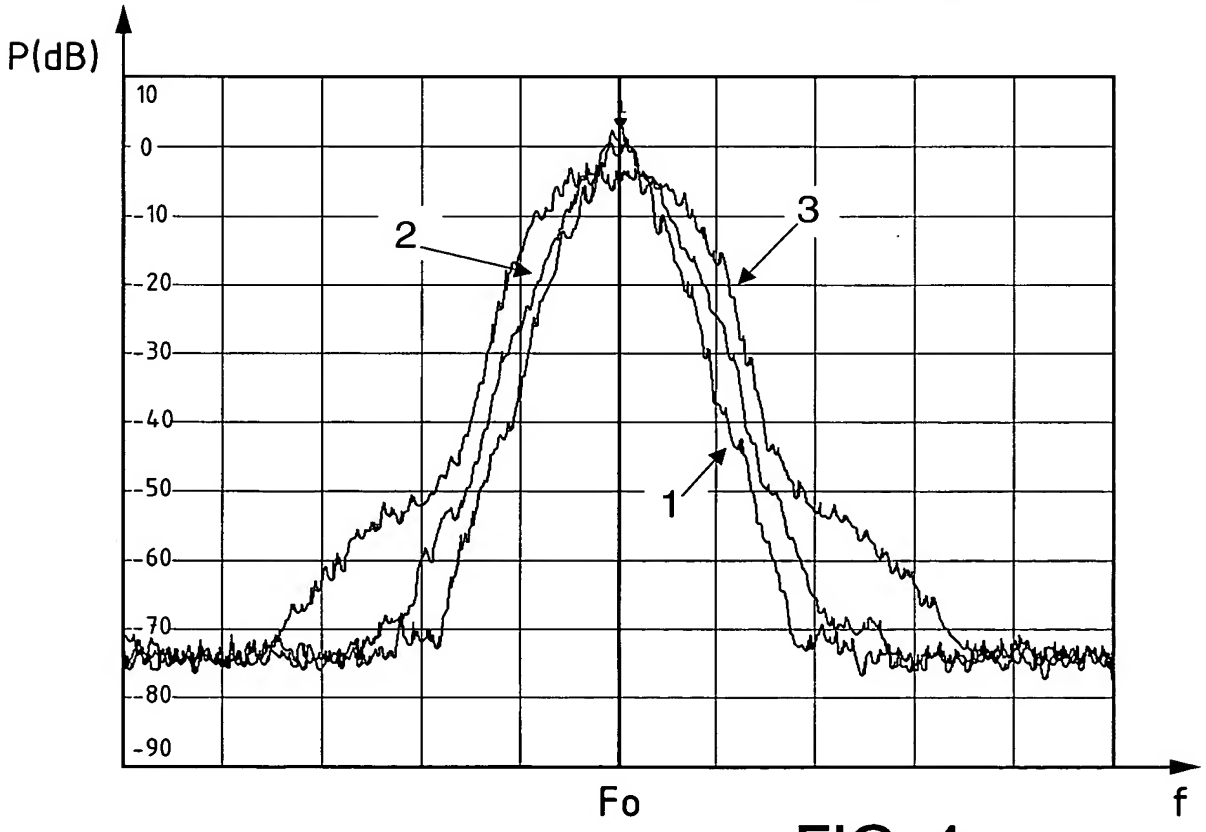
P(dB)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
1
2
3
Fo
f

FIG. 4